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DOCUMENT-IDENTIFIER: [REDACTED]

TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD

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INVENTOR-INFORMATION:

NAME	COUNTRY
INAMITSU, TETSUJI	N/A
HASHIMOTO, KAZUNORI	N/A
FUKUSHIMA, SHINICHIRO	N/A
TAKAMI, MINORU	N/A
AIKAWA, SHIN	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
HITACHI LTD	N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

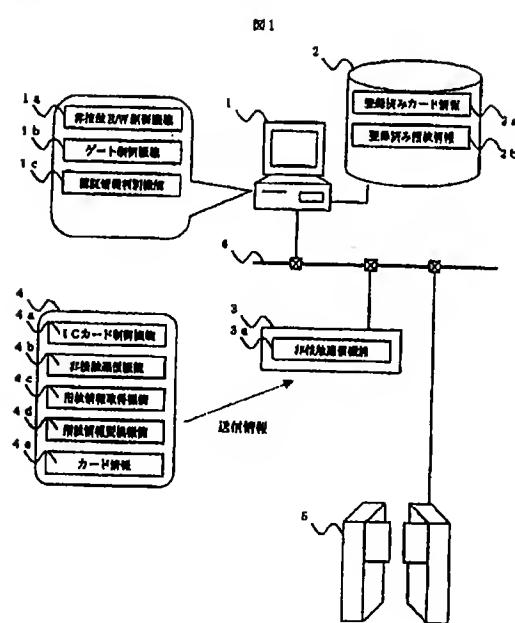
SOLUTION: The [REDACTED] information of IC [REDACTED] each of non-contact type and the [REDACTED] information of a true owner of the IC [REDACTED] has been registered in a database 2 as [REDACTED] card information 2a and [REDACTED] fingerprint information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a fingerprint input means of the IC card 4 with a finger, the fingerprint information is read out by the IC card 4 and the fingerprint information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the [REDACTED] information 4e has been registered as the [REDACTED] information 2a or not to authenticate the IC [REDACTED] 4, and when the IC [REDACTED] 4 is authenticated, confirms whether the [REDACTED] information has been registered as the [REDACTED] information 2b or not to authenticate the [REDACTED] user.

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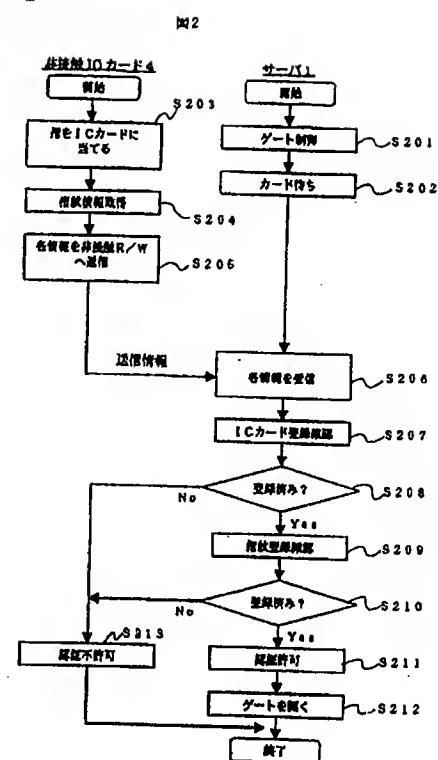
- 5 ゲート
 6 ネットワーク
 7 POS 端末
 7 a 電子マネー処理機能
 8 ICカード読み書き装置
 8 a 指紋情報取得機能
 8 b 指紋情報変換機能
 8 c ICカード通信機能
 8 d 非接触通信機能
 9 接触 IC カード
 9 a ICカード制御機能
 9 b カード情報
 9 c 接触通信機能

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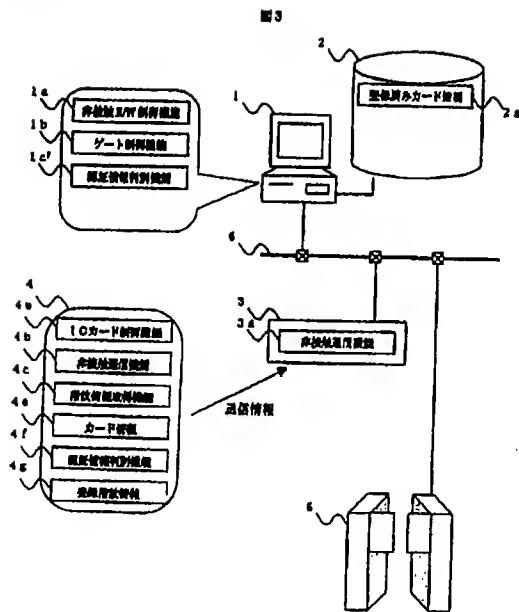
【図 1】



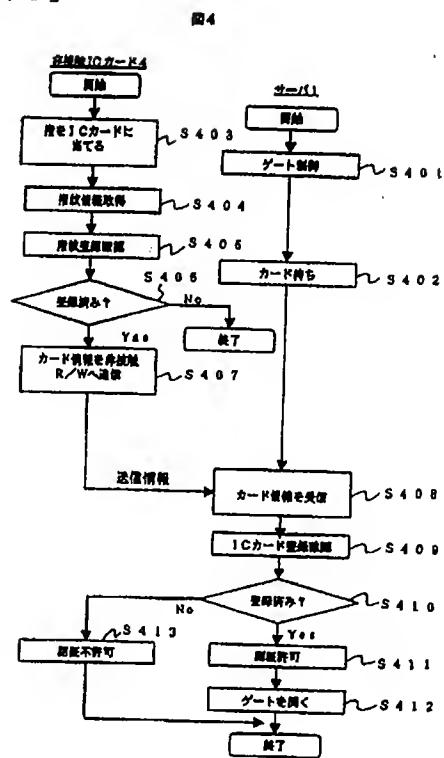
【図 2】



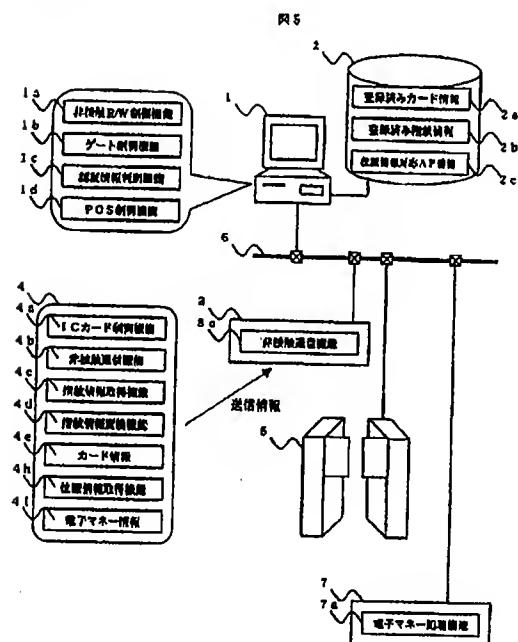
【図 3】



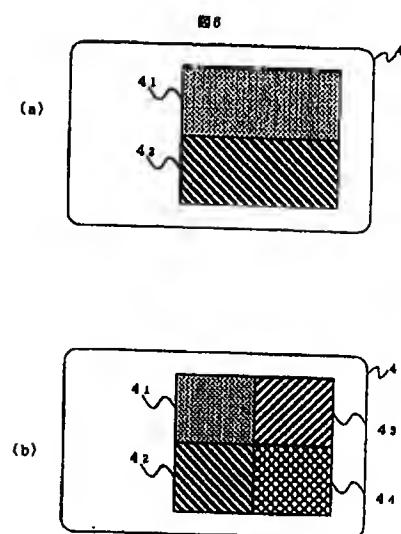
【図 4】



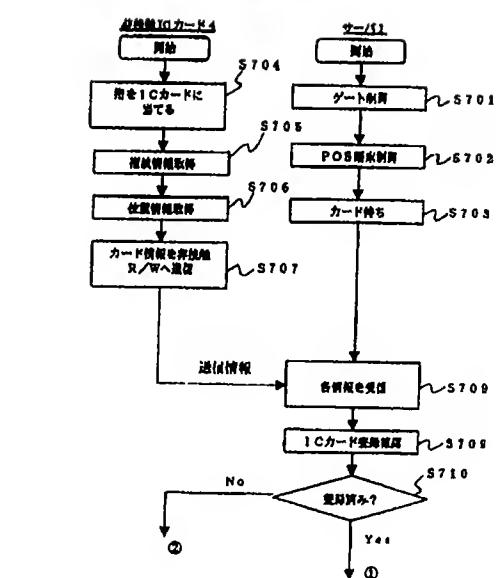
【図 5】



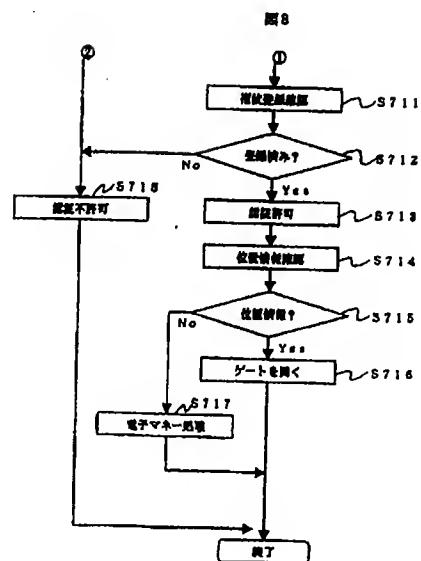
【図 6】



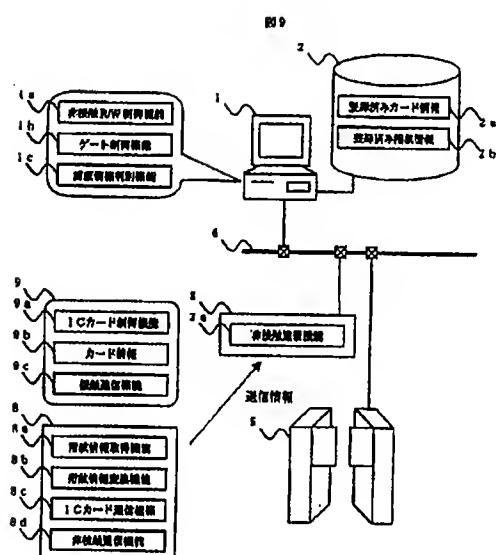
〔圖7〕



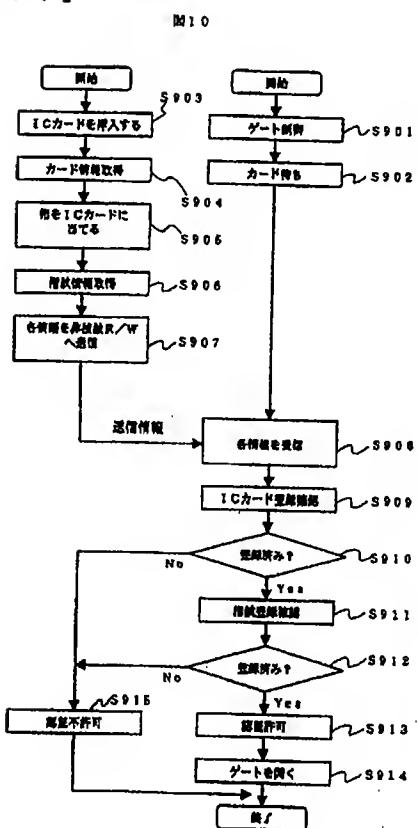
[图 8]



[9]



[图 10]



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(72)発明者 福島 真一郎

神奈川県横浜市戸塚区吉田町292番地 株式会社日立製作所デジタルメディア開発本部内

(72)発明者 高見 穎

神奈川県横浜市戸塚区吉田町292番地 株式会社日立製作所デジタルメディア開発本部内

(72)発明者 相川 慎

神奈川県横浜市戸塚区吉田町292番地 株式会社日立製作所デジタルメディア開発本部内

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